

=> d his

(FILE 'HOME' ENTERED AT 11:30:35 ON 29 MAY 2009)

FILE 'REGISTRY' ENTERED AT 11:30:57 ON 29 MAY 2009

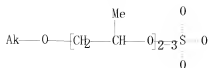
L1 STRUCTURE UPLOADED

L2 0 S L1

L3 27 S L1 FULL

=> d que l3 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 27 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 3037 ITERATIONS

27 ANSWERS

SEARCH TIME: 00.00.01

=> s l3 and ed<2/10/2005

80447460 ED<2/10/2005

(ED<20050210)

L4 27 L3 AND ED<2/10/2005

=> s l3 and caplus/lc

66484516 CAPLUS/LC

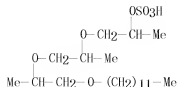
L5 15 L3 AND CAPLUS/LC

=> s l3 not l5

L6 12 L3 NOT L5

=> d l-12 ide can

L6 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 779997-03-4 REGISTRY
 ED Entered STN: 12 Nov 2004
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 hydrogen sulfate (9CI)
 MF C21 H44 O7 S
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN

RN 759394-50-8 REGISTRY

ED Entered STN: 08 Oct 2004

CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, 2-(hydrogen sulfate)
(CA INDEX NAME)

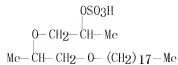
OTHER CA INDEX NAMES:

CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, hydrogen sulfate (9CI)

MF C24 H50 O6 S

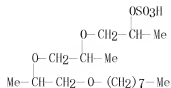
CI COM

SR CA



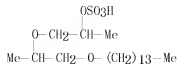
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 755744-29-7 REGISTRY
ED Entered STN: 01 Oct 2004
CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, hydrogen
sulfate (9CI)
MF C17 H36 O7 S
CI COM
SR CA



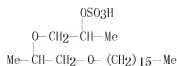
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 752920-41-5 REGISTRY
ED Entered STN: 27 Sep 2004
CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, hydrogen sulfate (9CI)
MF C20 H42 O6 S
CI COM
SR CA



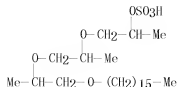
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 744953-09-1 REGISTRY
 ED Entered STN: 15 Sep 2004
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, hydrogen sulfate (9CI)
 MF C22 H46 O6 S
 CI COM
 SR CA



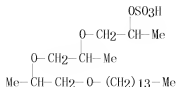
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 740762-57-6 REGISTRY
 ED Entered STN: 06 Sep 2004
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 hydrogen sulfate (9CI)
 MF C25 H52 O7 S
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 739356-91-3 REGISTRY
 ED Entered STN: 05 Sep 2004
 CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(tetradecyloxy)ethoxy]ethoxy]-,
 2-(hydrogen sulfate) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(tetradecyloxy)ethoxy]ethoxy]-,
 hydrogen sulfate (9CI)
 MF C23 H48 O7 S
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN

RN 738572-18-4 REGISTRY

ED Entered STN: 03 Sep 2004

CN 2-Propanol, 1-[2-[2-(decyloxy)-1-methylethoxy]-1-methylethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)

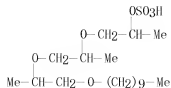
OTHER CA INDEX NAMES:

CN 2-Propanol, 1-[2-[2-(decyloxy)-1-methylethoxy]-1-methylethoxy]-, hydrogen
sulfate (9CI)

MF C19 H40 O7 S

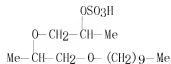
CI COM

SR CA



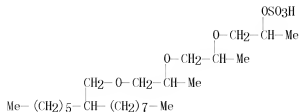
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 732237-91-1 REGISTRY
 ED Entered STN: 25 Aug 2004
 CN 2-Propanol, 1-[2-(decyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate) (CA
 INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propanol, 1-[2-(decyloxy)-1-methylethoxy]-, hydrogen sulfate (9CI)
 MF C16 H34 O6 S
 CI COM
 SR CA



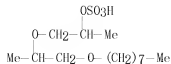
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 727645-63-8 REGISTRY
 ED Entered STN: 16 Aug 2004
 CN 2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-,
 hydrogen sulfate (9CI)
 MF C25 H52 O7 S
 CI COM
 SR CA



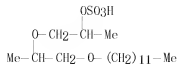
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 713487-85-5 REGISTRY
ED Entered STN: 20 Jul 2004
CN 2-Propanol, 1-[1-methyl-2-(octyloxy)ethoxy]-, 2-(hydrogen sulfate) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-(octyloxy)ethoxy]-, hydrogen sulfate (9CI)
MF C14 H30 O6 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 697215-17-1 REGISTRY
ED Entered STN: 21 Jun 2004
CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, hydrogen sulfate (9CI)
MF C18 H38 O6 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> fil capl
FILE 'CAPLUS' ENTERED AT 11:34:31 ON 29 MAY 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 29 May 2009 VOL 150 ISS 23
FILE LAST UPDATED: 28 May 2009 (20090528/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

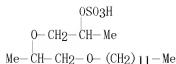
CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate
'FIONA' IS DEFAULT FORMAT FOR 'CAPLUS' FILE

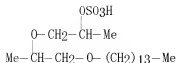
=> s l3
L7 7 L3
=> d 1-7 bib abs hitstr

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2001:364948 CAPLUS
 DN 135:124134
 TI New developments in structure-CMC relationships for anionic surfactants
 AU Roberts, D. W.
 CS Unilever Research Port Sunlight Laboratory, UK
 SO Comunicaciones presentadas a la Jornadas del Comité Español de la Detergencia (2001), 31, 97-110
 CODEN: CJDD7; ISSN: 0212-7466
 PB Comité Español de la Detergencia, Tensioactivos y Afines
 DT Journal
 LA English
 AB On an earlier occasion we discussed a QSPR (Quant. Structure-Property Relationship) based on log P fragment values, for CMC of anionic surfactants. Since then we have continued to refine the log P calcul. method as applied to surfactants, using aquatic toxicity correlations. In light of these developments, we have updated the QSPR approach and applied it to further CMC data on ether sulfates of general formula $R1(OCH_2CHR_2)nOSO_3Na$ and ester sulfonates of general formula $R1CH(CO_2R_2)SO_3Na$. The QSPR correlations provide insights into the role of the ether and ester functions in micellization.
 IT 14858-46-9 14858-51-6 14858-57-2
 100900-05-8 104729-08-0 350047-52-8
 350047-53-9 350047-55-1 350047-56-2
 350047-57-3
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (structure-CMC relationships for anionic surfactants)
 RN 14858-46-9 CAPLUS
 CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



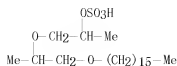
● Na

RN 14858-51-6 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



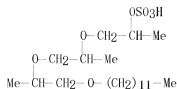
● Na

RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



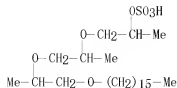
● Na

RN 100900-05-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



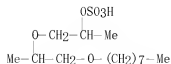
● Na

RN 104729-08-0 CAPLUS
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



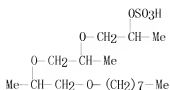
● Na

RN 350047-52-8 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(octyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



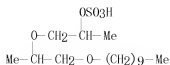
● Na

RN 350047-53-9 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



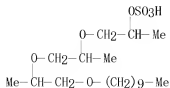
● Na

RN 350047-55-1 CAPLUS
 CN 2-Propanol, 1-[2-(decyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



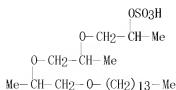
● Na

RN 350047-56-2 CAPLUS
 CN 2-Propanol, 1-[2-[2-(decyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RN 350047-57-3 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(tetradecyloxy)ethoxy]ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1986:559281 CAPLUS

DN 105:159281

OREF 105:25581a,25584a

TI Principles for the attainment of minimum oil-water interfacial tension by surfactants: the characteristics of organized surfactant phase

AU Shinoda, Kozi; Shibata, Yutaka

CS Fac. Eng., Yokohama Natl. Univ., Yokohama, 240, Japan

SO Colloids and Surfaces (1986), 19(2-3), 185-96

CODEN: COSUD3; ISSN: 0166-6622

DT Journal

LA English

AB Ionic surfactants, whose hydrophile-lipophile properties are nearly balanced and which are soluble in hard water, were prepared. The phase behavior of such surfactants changed from water soluble to oil soluble with increasing salt concentration. At the salt concentration at which the HLB of an ionic surfactant balances for a given oil, a surfactant phase was observed. The weight of surfactant necessary to completely dissolve equal amts. of water and oil is a direct index of the solvent power of the surfactant: 1.54 weight% of R8CH(R6)CH2SO4Na dissolved 49.2% of water and 49.2% of hexane, representing about 32 times as much water and hexane as surfactant. The decane-water interfacial tension was at a min. when the HLB of the surfactant just balanced for the given aqueous solution. R12[OCH2CH(CH3)]3-SO4Na(Ca1/2), iso-R16[OCH2CH(CH3)]3-SO4Na(Ca1/2) and n-R16[OCH2CH(CH3)]3-SO4Na(Ca1/2) are all soluble in hard water and their hydrophile-lipophile properties are balanced at resp. salt concns., and the brine-decane interfacial tensions are all <0.0001 mN m⁻¹. The Na:Ca ratio is close to the uni:di-valent cation ratio of sea water. These results can be understood as being characteristic of an organized surfactant phase, i.e., (1) a large solvent power towards water and oil, and (2) an ability to depress oil-water interfacial tension, due to the orientation, aggregation and structure formation of surfactant mols.

IT 100900-05-8 104729-05-7 104729-06-8

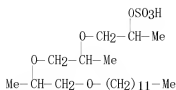
104729-07-9 104729-08-0 104729-09-1

RL: PRP (Properties)

(interfacial tension of oil-water system containing)

RN 100900-05-8 CAPLUS

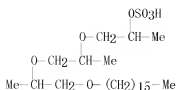
CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

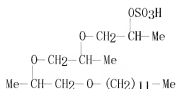
RN 104729-05-7 CAPLUS

CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), calcium salt (2:1) (CA INDEX NAME)



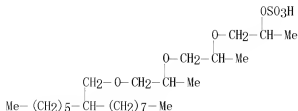
● 1/2 Ca

RN 104729-06-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), calcium salt (2:1) (CA INDEX NAME)



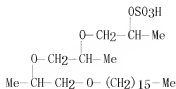
● 1/2 Ca

RN 104729-07-9 CAPLUS
 CN 2-Propanol, 1-[2-[2-[(2-hexyldecoyl)oxy]-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), calcium salt (2:1) (CA INDEX NAME)



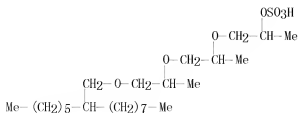
● 1/2 Ca

RN 104729-08-0 CAPLUS
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



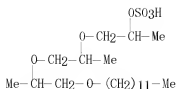
● Na

RN	104729-09-1	CAPLUS
CN	2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)	



● Na

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1986:136496 CAPLUS
 DN 104:136496
 OREF 104:21465a,21468a
 TI Ionic surfactants soluble in hard water and in hydrocarbons: behavior of
 organized surfactant solutions as a function of the hydrophilic-lipophilic
 balance
 AU Shinoda, Kozo; Mackawa, Masaki; Shibata, Yutaka
 CS Fac. Eng., Yokohama Natl. Univ., Yokohama, 240, Japan
 SO Journal of Physical Chemistry (1986), 90(7), 1228-30
 CODEN: JPCHAX; ISSN: 0022-3654
 DT Journal
 LA English
 AB The Krafft points and critical micelle concns. of the Ca, Mg, and Na salts of
 alkyloxypropylene sulfates $C_nH_{2n+1}OCH_2CH(CH_3)SO_4M/2$ ($n = 12-16$, $M = Ca$,
 Mg, and Na) were determined. The Krafft points were effectively depressed by
 the introduction of an oxypropylene group between hydrocarbon chain and
 the ionic group. The Krafft point and the cmc of
 $C_{16}H_{33}OCH_2CH(CH_3)SO_4Mg1/2$ were 28° and 0.031 mmol/L . The cmc value
 is 1/260th that of $C_{12}H_{25}SO_4Na$, i.e., it is 260 times more adsorbable.
 The other striking feature of this type of surfactant,
 $Rn[OCH_2CH(CH_3)]_3SO_4M1/2$, is its dissoln. in oil as well as in hard water.
 The surfactants are water soluble at low salt concns. and oil soluble at high
 salt concns.
 IT 100900-05-8
 RL: PRP (Properties)
 (critical micelle concentration and Krafft point of)
 RN 100900-05-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1975:462423 CAPLUS

DN 83:62423

OREF 83:9861a,9864a

TI Long chain ether alcohol sulfates from propylene oxide and 1,2-butylene oxide

IN Weil, James K.; Stirton, Alexander J.

PA United States Dept. of Agriculture

SO U. S., 7 pp.

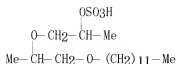
CODEN: USXXAM

DT Patent

LA English

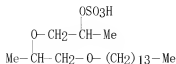
FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3843706	A	19741022	US 1971-203867	19711201
PRAI	US 1966-557375	A3	19660614		
	US 1969-844699	A3	19690523		
AB	The biodegradable detergents $R[OCH_2CH(R')]_n OSO_3Na$, where R = C12-18 n-alkyl, R' = Me or Et, and n = 1-4, were prepared and their surface-active properties were determined. Thus, 81.8 g 1,2-butylene oxide [106-88-7] was added to 271 g 1-octadecanol [112-92-5] at 182-8° with alkaline catalysis, and the reaction mixture was distilled to sep. $C_{18}H_{37}(OCH_2CHEt)_{20}H$ [14858-36-7] which was dissolved in CCl_4 and treated with $ClSO_3H$ and aqueous NaOH to prepare Na 1,4-diethyl-3,6-dioxa-1-tetracosyl sulfate [14858-66-3].				
IT	14858-46-9 14858-51-6 14858-57-2				
	14858-64-1				
	RL: USES (Uses)				
	(detergents, biodegradable)				
RN	14858-46-9 CAPLUS				
CN	2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)				



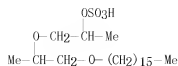
● Na

RN 14858-51-6 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



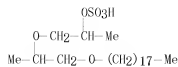
● Na

RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



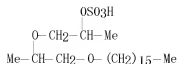
● Na

RN 14858-64-1 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]⁻, 2-(hydrogen sulfate),
 sodium salt (1:1) (CA INDEX NAME)



● Na

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1973:468084 CAPLUS
 DN 79:68084
 OREF 79:10995a,10998a
 TI Systematic study of the variables involved in the reverse-phase thin-layer chromatography of oxyethylated alkyl sulfate surfactants
 AU Breyer, Arthur C.; Fischl, Marsha; Seltzer, E. Jane
 CS Beaver Coll., Glenside, PA, USA
 SO Journal of Chromatography (1973), 82(1), 37-52
 CODEN: JOCRAM; ISSN: 0021-9673
 DT Journal
 LA English
 AB Optimization of title chromatog. for title surfactants showed the best sepn. can be obtained with glass plates covered with a 250 μ m layer of Alumina H, Alumina G, or Silica Gel G impregnated with a 3-5 volume % n-dodecanol-EtOH solution at 15-30.deg. using tanks pre-equilibrated and developed with a 3:2 MeOH-NH₄OH solution. The most satisfactory spot detection was obtained by using a 0.05% aqueous pinacryl yellow with a UV viewing chamber. Sample sizes of 0.5-2.0 μ l containing 5-20 μ g surfactant gave most satisfactory results.
 IT 14858-57-2
 RL: ANT (Analyte); ANST (Analytical study)
 (thin-layer chromatog. of)
 RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1971:14392 CAPLUS

DN 74:14392

OREF 74:2315a,2318a

TI Synthesis and surface active properties of long-chain ether alcohol sulfates $R(OCH_2CHR')_iOSO_3Na$

AU Weil, James K.; Stirton, Alexander J.; Wrigley, A. N.

CS East. Reg. Res. Lab., U. S. Dep. Agric., Philadelphia, PA, USA

SO Chim. Phys. Appl. Prat. Ag. Surface, C. R. Congr. Int. Deterg., 5th (1969), Meeting Date 1968, Volume 1, 45-50 Publisher: Ediciones Unidas, S. A., Barcelona, Spain.

CODEN: 22LKAT

DT Conference

LA English

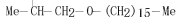
AB Purified ether alc. sulfates were prepared by the sulfation of the separated reaction products of ethylene, propylene and 1,2-butylene oxides with 12, 14, 16 and 18 C normal primary alcs. The effect of structure on critical micelle concentration, Krafft point, surface tension and lime soap dispersing power was investigated. The effect of oxyalkyl groups in reducing critical micelle concentration and increasing Krafft point was expressed in terms of an equivalent number of methylene groups.

IT 14858-57-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 14858-57-2 CAPLUS

CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]⁻, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



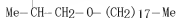
IT 14858-64-1

RL: USES (Uses)

(surface-active properties of)

RN 14858-64-1 CAPLUS

CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]⁻, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



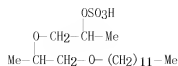
IT 14858-46-9 14858-51-6

RL: PRP (Properties)

(surface-active properties of)

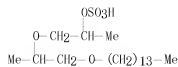
RN 14858-46-9 CAPLUS

CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]⁻, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RN 14858-51-6 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate),
 sodium salt (1:1) (CA INDEX NAME)



● Na

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1967:57023 CAPLUS

DN 66:57023

OREF 66:10791a,10794a

TI Ether alcohol sulfates. Effect of oxypropylation and oxybutylation on surface-active properties

AU Weil, James K.; Stirton, Alexander J.; Nunez-Ponzoa, M. V.

CS Eastern Regional Res. Lab., Philadelphia, PA, USA

SO Journal of the American Oil Chemists' Society (1966), 43(11), 603-6

CODEN: JAOCA7; ISSN: 0003-021X

DT Journal

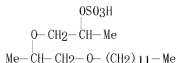
LA English

AB The reaction products of 1,2-butylene oxide (I) with C12-18 alcs. were compared with those from the propylene oxide (II) reaction. A 60% yield of the 1st derivative was obtained for the I reaction, compared with a maximum yield of 50% for the II reaction. First and 2nd derivs. were fractionally distilled from the reaction mixts. and characterized as pure ether alcs. and their acetates. Sulfates of the pure ether alcs. had slightly greater solubility than those of II, and both reactions were more effective than oxyethylation. Dioxyalkylated products had lower Krafft points than monoxyalkylated products. A low degree of oxyalkylation had only minor effects on the detergency of alc. sulfates, but polyoxybutylation caused significant redns. in foam height for the C16-18 alc. sulfates. Critical micelle concentration was reduced both by an increasing degree of oxyalkylation and mol. weight of epoxide. All of the ether alc. sulfates were effective limesoap dispersing agents. 11 references.

IT 14858-46-9, 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, hydrogen sulfate sodium salt 14858-51-6, 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, hydrogen sulfate sodium salt 14858-57-2, 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, hydrogen sulfate sodium salt 14858-64-1
RL: USES (Uses)
(surface-active)

RN 14858-46-9 CAPLUS

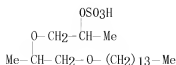
CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RN 14858-51-6 CAPLUS

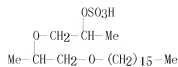
CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

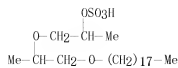
RN 14858-57-2 CAPLUS

CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RN 14858-64-1 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, 2-(hydrogen sulfate),
 sodium salt (1:1) (CA INDEX NAME)



● Na

=> d his full

(FILE 'HOME' ENTERED AT 11:30:35 ON 29 MAY 2009)

FILE 'REGISTRY' ENTERED AT 11:30:57 ON 29 MAY 2009

```

L1      STRUCTURE UPLOADED
        D
L2      0 SEA SSS SAM L1
L*** DEL 0 S L1
L3      27 SEA SSS FUL L1
        D QUE L3 STAT
L4      27 SEA ABB-ON PLU=ON L3 AND ED<2/10/2005
L5      15 SEA ABB-ON PLU=ON L3 AND CAPLUS/LC
L6      12 SEA ABB-ON PLU=ON L3 NOT L5
        D 1-12 TDE CAN

```

FILE 'CAPLUS' ENTERED AT 11:34:31 ON 29 MAY 2009

```

L7      7 SEA ABB-ON PLU=ON L3
        D 1-7 BIB ABS HITSTR

```

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 MAY 2009 HIGHEST RN 1149812-77-0

DICTIONARY FILE UPDATES: 27 MAY 2009 HIGHEST RN 1149812-77-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 29 May 2009 VOL 150 ISS 23

FILE LAST UPDATED: 28 May 2009 (20090528/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

43.48

267.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.74

-5.74

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:39:12 ON 29 MAY 2009